

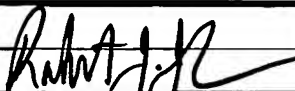
ER-430-459-913-US

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No.		2003-1897.CIP	
		First Inventor		Christ G. ELLIS	
		Title		Intelligent Vehicle Apparatus and Method...	
<i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>		Express Mail Label		ER-430-459-913-US	
APPLICATION ELEMENTS			ADDRESS TO:		
See MPEP chapter 600 concerning utility patent application contents.			Mail Stop Patent Application Commissioner for Patents P. O. Box 1450 Alexandria VA 22313-1450		
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 58] (preferred arrangement set forth below)</p> <ul style="list-style-type: none">- Descriptive title of the invention- Cross Reference to Related Applications- Statement Regarding Fed sponsored R & D- Reference to sequence listing, a table, or a computer program listing appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 36]</p> <p>5. Oath or Declaration [Total Pages one]</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)</p> <p>i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>			<p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</p> <p>8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <p>a. <input type="checkbox"/> Computer Readable Form (CRF)</p> <p>b. Specification Sequence Listing on:</p> <p>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</p> <p>ii. <input type="checkbox"/> Paper</p> <p>c. <input type="checkbox"/> Statements verifying identity of above copies</p>		
ACCOMPANYING APPLICATION PARTS					
<p>9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>11. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations</p> <p>13. <input type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input checked="" type="checkbox"/> Other: Petition To Make Special Because Of Applicant's Age</p>					
<p>18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input checked="" type="checkbox"/> Continuation-in-part (CIP) of prior application No.: 10/684,283</p> <p>Prior application information: Examiner _____ Group / Art Unit: _____</p> <p>For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p>					
19. CORRESPONDENCE ADDRESS					
<p><input checked="" type="checkbox"/> Customer Number: 22476 or <input checked="" type="checkbox"/> Correspondence address below</p>					
Name		Robert J. Jacobson			
		Haugen Law Firm PLLP			
Address		1130 TCF Tower			
		121 South Eighth Street South			
City	Minneapolis	State	Minnesota	Zip Code	55402
Country	United States of America	Telephone	612-339-8300	Fax	612-339-8200
Name (Print/Type)		Robert J. Jacobson		Registration No. (Attorney/Agent)	32,419
Signature				Date	October 26, 2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Practitioner's Docket No. 2003-1897.CIP

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Christ G. Ellis
Application No.: OF EVEN DATE
Filed: OF EVEN DATE
For: Intelligent Vehicle Apparatus And Method For Using The Apparatus

Group No.: 2632
Examiner: Tweel Jr., John Alexander

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

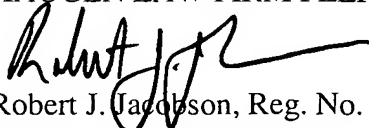
CERTIFICATE OF MAILING VIA EXPRESS MAIL

I hereby certify that the attached patent application consisting of the following papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on October 26, 2003 and is addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450, under Express Mail Post Office to Addressee Label No. ER-430-459-913-US:

1. This Certificate of Mailing via Express Mail dated 10/26/03 (one page);
2. Utility Patent Application Transmittal dated 10/26/03 (one page plus copy);
3. Fee Transmittal for FY 2004 dated 10/26/03 (one page plus copy);
4. Check no. 5734 in the amount of \$2884.00;
5. Declaration For Utility or Design Application Using an Application Data Sheet (one page);
6. Application Data Sheet (two pages);
7. Petition To Make Special Because of Applicant's Age dated 10/26/03 (one page) and having a copy of Certificate of Birth (one page);
8. Copy of Notification of Filing of Continuation-in-Part Application dated 10/26/03 (one page);
9. Written Description (pages 1-44);
10. Claims (pages 45-57);
11. Abstract (page 58);
12. Formal drawings (36 sheets) clipped to written description, claims and abstract;
13. PTO-1449 form (one sheet) attached to copies of three U.S. Patents; and
14. Postcard Receipt.

Respectfully submitted,

HAUGEN LAW FIRM PLLP



Robert J. Jacobson, Reg. No. 32,419
Attorney for Applicant(s)
1130 TCF Tower
121 South Eighth Street
Minneapolis, MN 55402
Phone: (612) 339-8300

ER-430-459-913-45

PTO/SB/17 (10-03)
 Approved for use through 07/31/2006. OMB 0651-0032
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT $\times > \$$ 2,884.00

Complete if Known

Application Number	OF EVEN DATE
Filing Date	OF EVEN DATE
First Named Inventor	Christ G. ELLIS
Examiner Name	
Art Unit	
Attorney Docket No.	2003-1897.CIP

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit
Account
Number

50-0789

Deposit
Account
Name

Haugen Law Firm PLLP

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					$\times > \$$ 385.00

2. EXTRA CLAIM FEES FOR UTILITY AND

Total Claims		Extra Claims		Fee from below		Fee Paid
54	-20** =	34	X	9.00	=	306.00
54	-3** =	51	X	43.00	=	2,193.00
Multiple Dependent						

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) $\times > \$$ 2,499.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

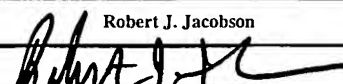
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non - English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR § 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Statement	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) $\times > \$$

SUBMITTED BY

Name (Print/Type)	Robert J. Jacobson	Registration No. (Attorney/Agent)	32,419	Telephone	612-339-8300
Signature		Date	October 26, 2003		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Practitioner's Docket No. 2003-1897.CIP

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Christ G. Ellis

Application No.: OF EVEN DATE

Filed: OF EVEN DATE

For: Intelligent Vehicle Apparatus And Method For Using The Apparatus

Group No.: 2632

Examiner: Tweel Jr., John Alexander

Mail Stop Patent Application

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

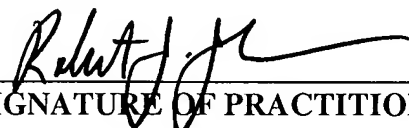
PETITION TO MAKE SPECIAL BECAUSE OF APPLICANT'S AGE

(37 CFR 1.102(c) and MPEP § 708.02 IV)

Applicant hereby petitions to make this application special because applicant is over 65 years of age.

As a showing of this fact, accompanying this petition is a true copy of applicant's Certificate of Birth.

No fee is required with this petition, in accordance with 37 C.F.R. § 1.102(c).


SIGNATURE OF PRACTITIONER

Reg. No.: 32,419

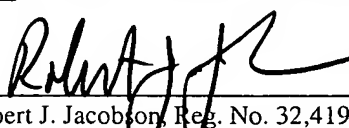
Robert J. Jacobson

Tel. No.: (612) 339-8300

HAUGEN LAW FIRM PLLP
1130 TCF Towerf
121 South Eighth Street
Minneapolis, MN 55402

{16506.DOC}

I hereby certify that this correspondence and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date October 26, 2003 in an envelope as "Express Mail Post Office to Addressee" Mailing Number ER-430-459-913-US addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450.


Robert J. Jacobson, Reg. No. 32,419

Hennepin County, Minnesota

Director of Licensing

CERTIFICATE OF BIRTH

STATE OF MINNESOTA
COUNTY OF HENNEPIN

DATE ISSUED:
AUGUST 31, 1998

This is to certify that the records of Vital Statistics of the Director of Licensing record and show:

NAME: CHRIST G ELLIS

DATE OF BIRTH: AUGUST 10, 1927

SEX: MALE

CERTIFICATE NO: 13-2-0196


PLACE OF BIRTH: MINNEAPOLIS

DATE FILED:

AUGUST 12, 1927

MOTHERS MAIDEN NAME: SOPHIE ASEMACOPOULOU

FATHERS NAME: GEORGE E ELLIS


PATRICK H. O'CONNOR
DIRECTOR OF LICENSING



Warning: This certificate is not valid if it has been altered in any way whatsoever.

(Copy)

ER-430-459-913-415

Practitioner's Docket No. 2002-1854.CIP

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Christ G. Ellis

Application No.: 10/684,283

Filed: October 11, 2003

For: Apparatus And Method For Automatic Vision Enhancement

Group No.: 2632

Examiner: Tweel Jr., John Alexander

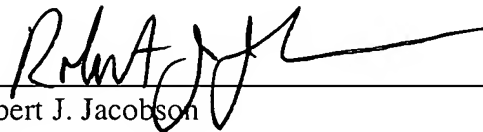
Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

NOTIFICATION OF FILING OF CONTINUATION-IN-PART APPLICATION

A continuation-in-part application for this case was mailed on October 26, 2003.



Robert J. Jacobson

Reg. 32,419

HAUGEN LAW FIRM PLLP

1130 TCF Tower

121 South Eighth Street

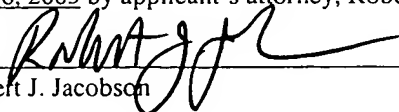
Minneapolis, Minnesota 55402

Tel. No. (612) 339-8300

Fax. No. (612) 339-8200

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I hereby certify that this correspondence and the documents referred to as enclosed therein are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450, on October 26, 2003 by applicant's attorney, Robert J. Jacobson.



Robert J. Jacobson